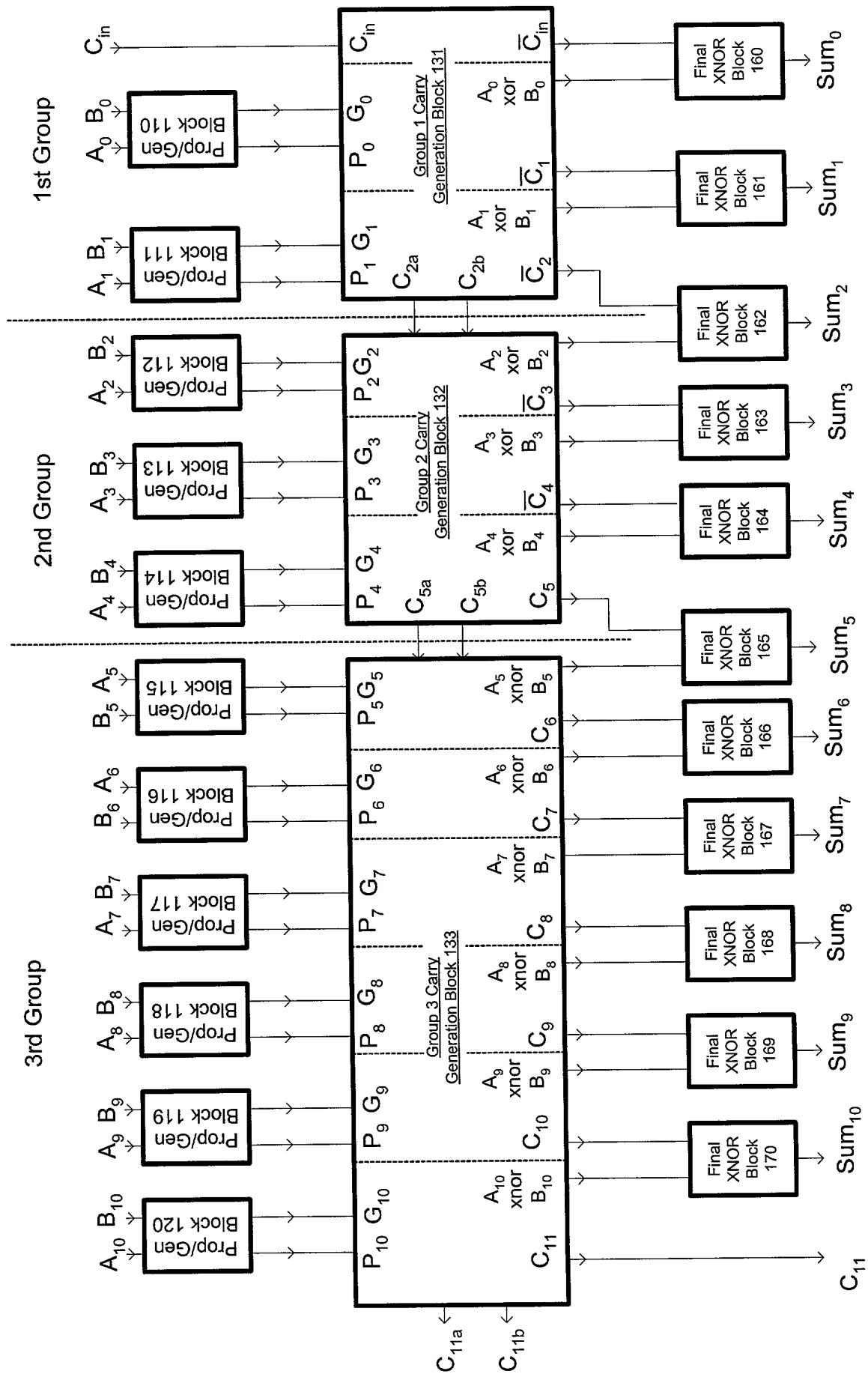
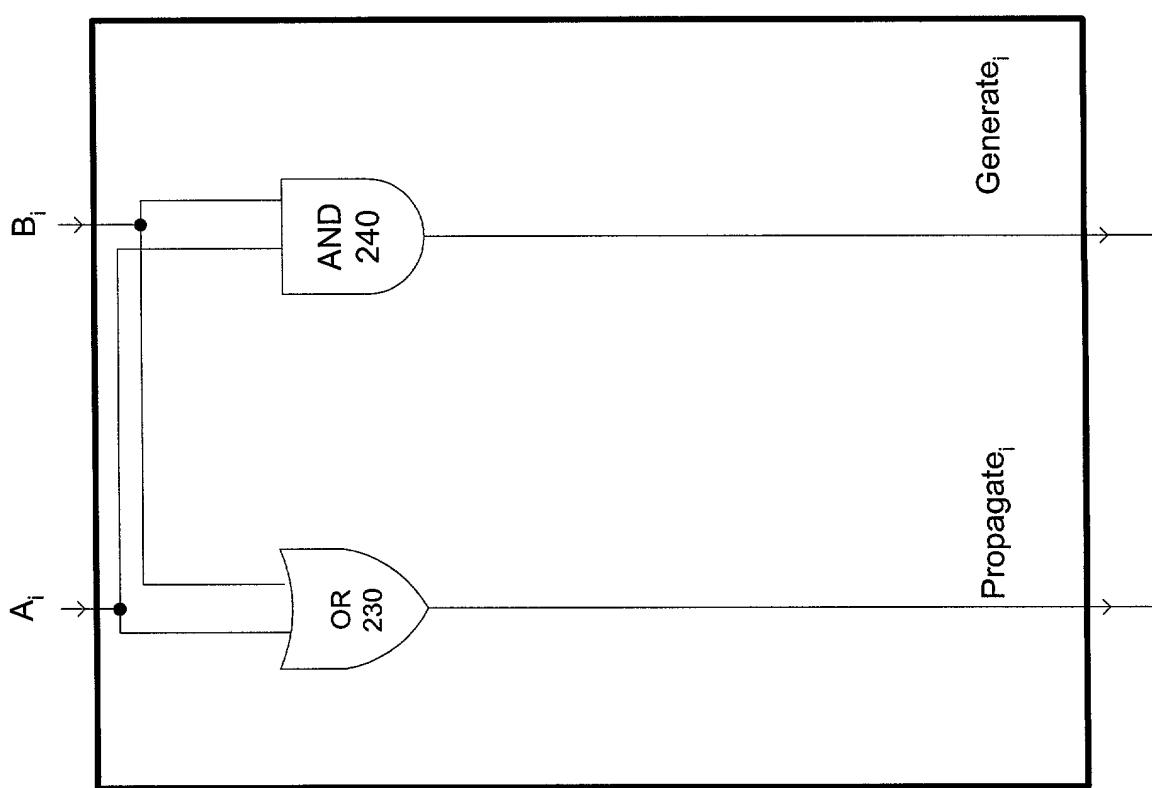


# FIG. 1

## Adder 100

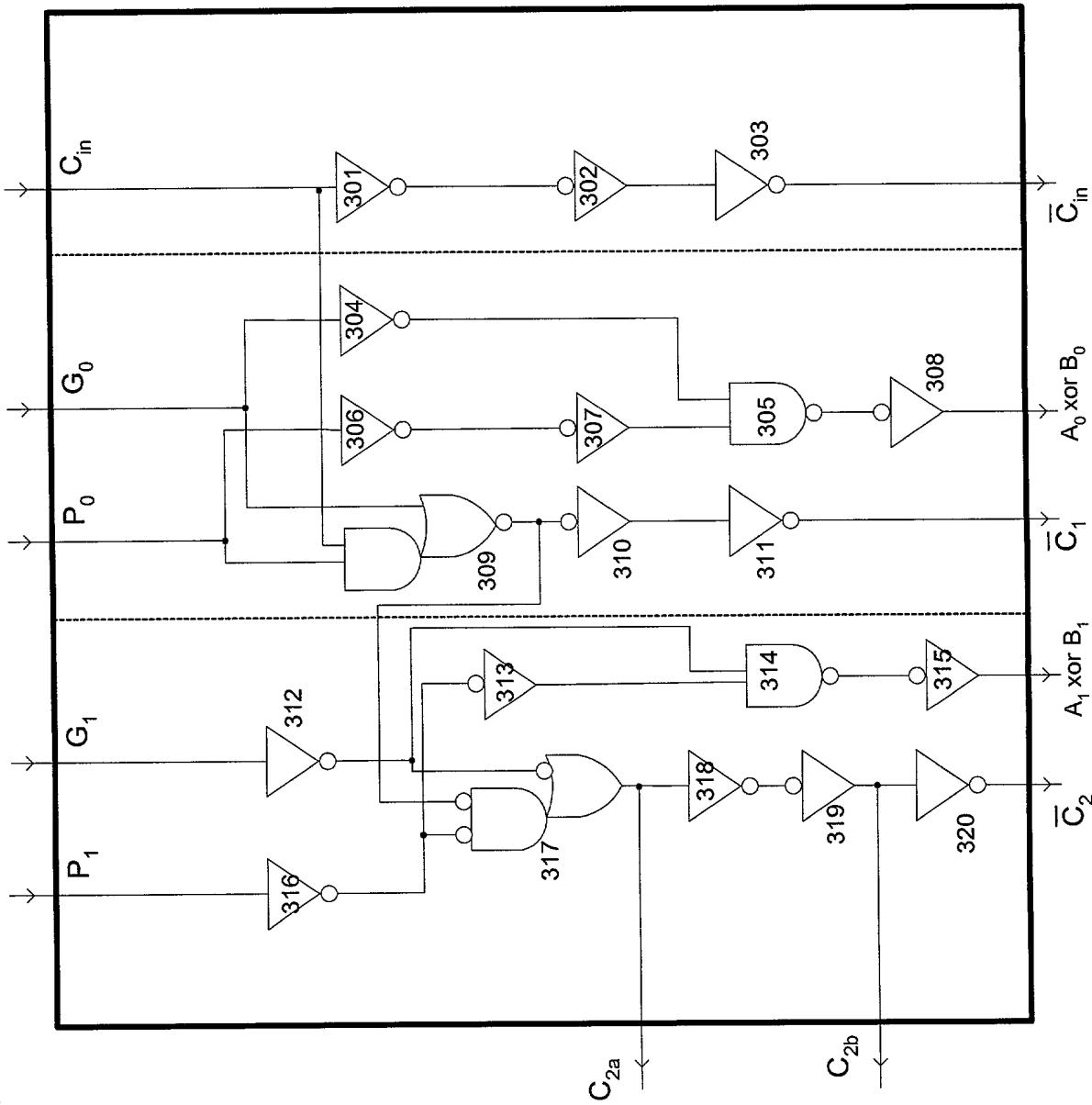


**FIG. 2**

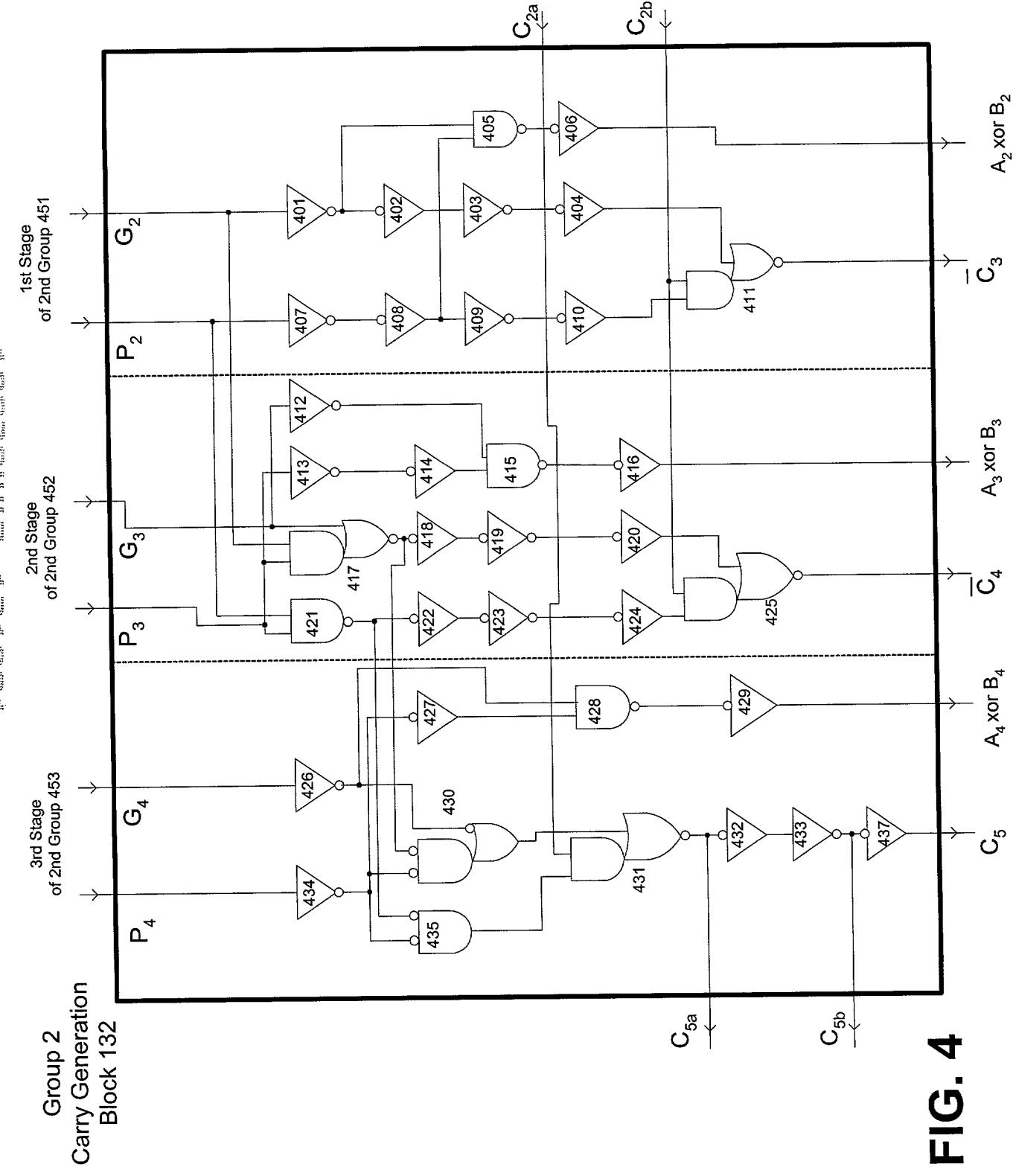


Propagate/Generate  
Block 210

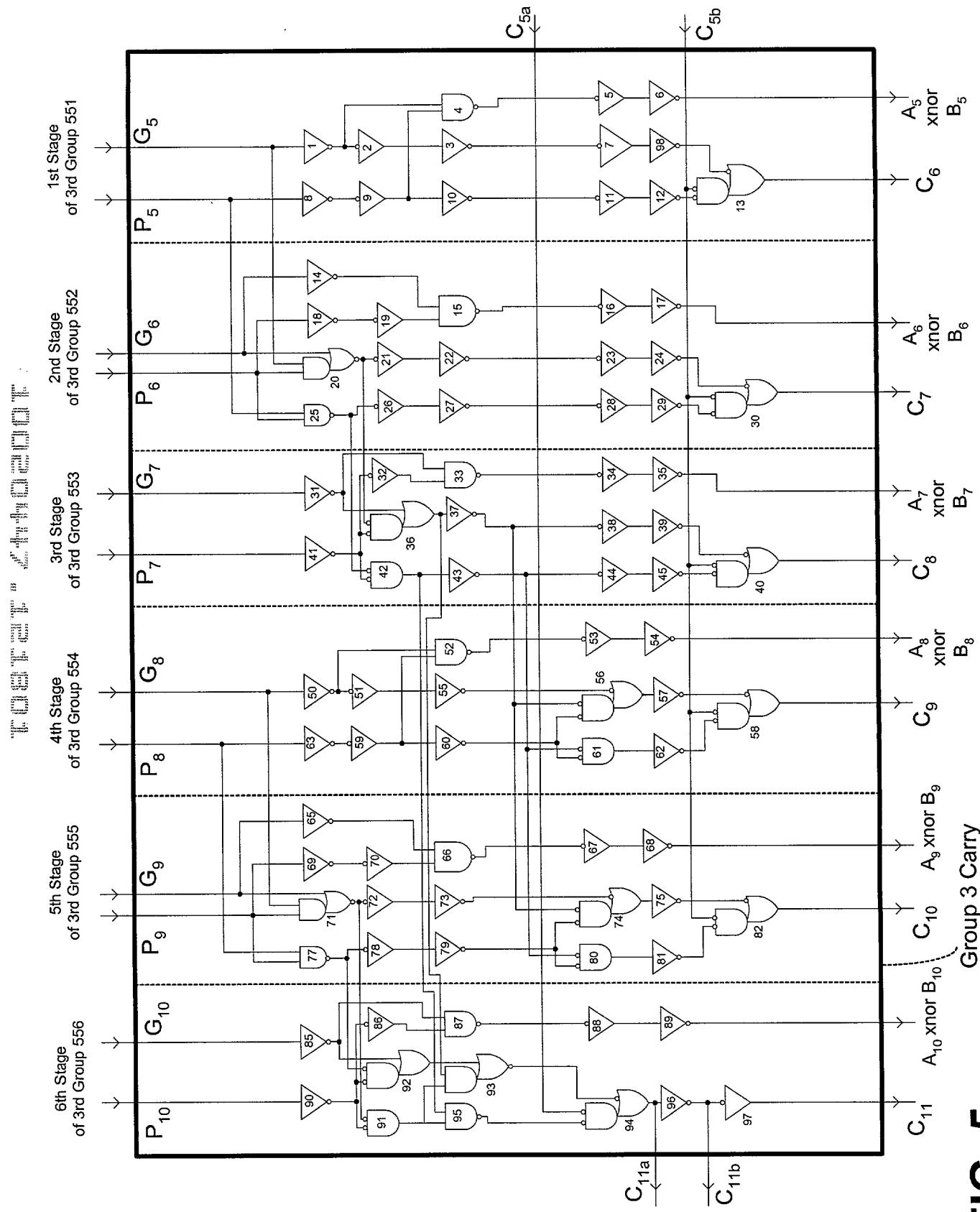
Group 1 Carry  
Generation Block 131



**FIG. 3**



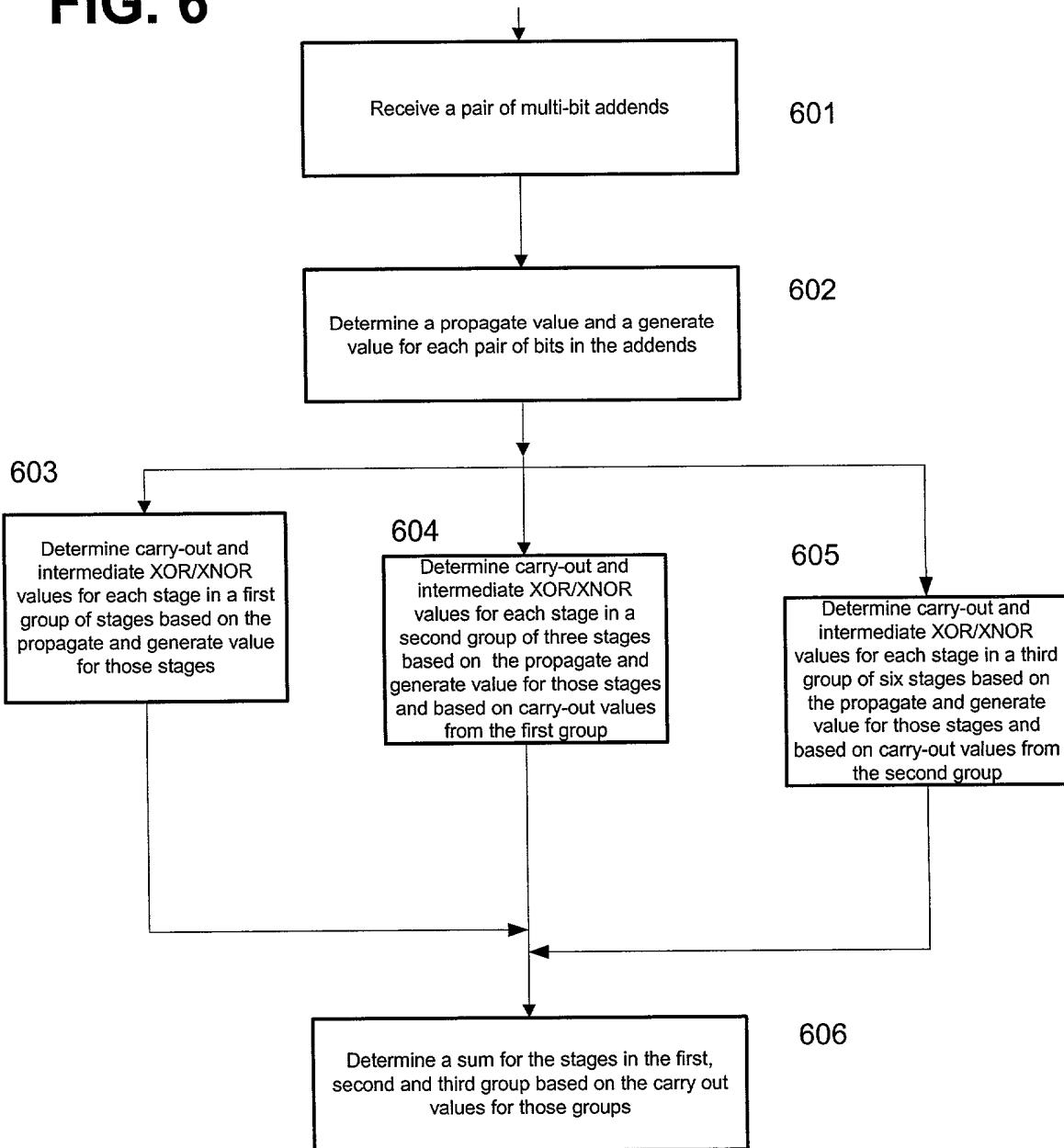
**FIG. 4**



Group 3 Carry  
Generation Block 133

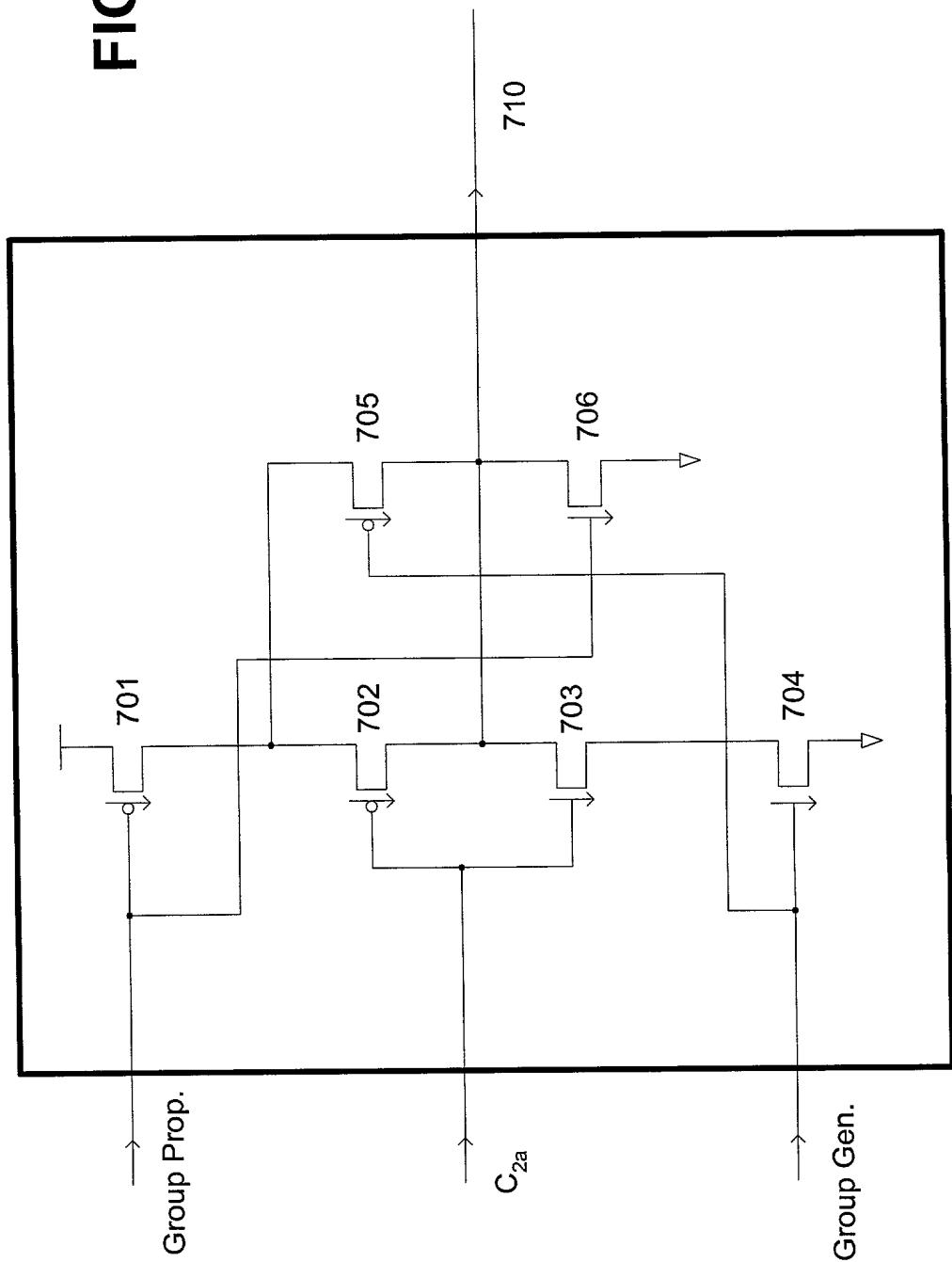
**FIG. 5**

**FIG. 6**



And-Or-Invert Gate  
431

FIG. 7



AND-OR-INVERT Gate  
309

FIG. 8

